

1. ZHELNIN, V.

2. USSR(600)

4. Silkworms

7. Resistance to cold of the wintering cocoon of the Chinese oak silkworm (*Antherea pernyi* Guar.) Zool. zhur. 31, №. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

ZHEL'NIN, V.A.

Ecology of the ringdove in Estonia. Ornitologija no.2:135-137  
'59. (MIRA 14:?)  
(Estonia--Pigeons)

ZHELNIN, V.A.

Common curlew in the cultivated areas of southern Estonia. Ornitologija  
no.4:303-304 '62. (MIRA 16:4)  
(Estonia—Curlews)

ZHELNIN, V.A.

Flights of bean goose and whooper swan in Estonia. *Ornitologija*  
no. 5:333-336 '62. (MIRA 16:2)  
(Estonia—Geese) (Estonia—Swans)  
(Estonia—Birds—Migration)

1. ZHELNIN, V. A.
2. USSR (600)
4. Metaxenia
7. Problem of the phenomenon of metaxenia in chickens. Pitteevodstvo no. 11, 1952.
9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

ZHELNIN, V.A.

Fall migration of cranes as an indication for winter crop sowing  
in Estonia. Ornitologija no.7:341-345. '65.

(MIRA 18:10)

LARIONOV, V.F.; ZHELNIN, V.A.

Relation between the abortive (fall) sex cycle of some birds and  
the conditions of daylight. Ornitologiya no. 7:475-476 '65.

(MIRA 18:10)

1 03778-67 EWT(1)/EWP(m) GW	ACC NR: AP6028334	SOURCE CODE: UR/0293/66/004/004/0552/0557
AUTHOR: <u>Shilov, A. A.; Zhelnin, Yu. N.</u>		56 B
ORG: none		
TITLE: Minimization of the ultimate deceleration of a vehicle in an atmosphere		
SOURCE: Kosmicheskiye issledovaniya, v. 4, no. 4, 1966, 552-557		
TOPIC TAGS: atmospheric entry, lifting force, optimal control, space-craft deceleration, <del>maximum principle</del> structure; aerodynamic lift		
ABSTRACT: The problem of selecting the vertical component of the aerodynamic lifting force which minimizes the allowable deceleration of the space vehicle during atmospheric planetary entry is analyzed. The equations of motion of the vehicle in the atmosphere are written to include the condition that the drag coefficient $C_x = \text{const}$ and an expression is established for the axial deceleration component $n_x$ as a function of the aerodynamic lifting parameter $K(x)$ . For given flight parameters at the initial and terminal points, the function $K(x)$ , with constraints of the form		
$\bar{K}_{\min} \leq K(x) \leq \bar{K}_{\max}$ , (1)		
Card 1/2		
UDC: 62-592:629.13(203)		

L 03778-67

ACC NR: AP6028334

is sought which minimizes the value of  $n_x$  at the terminal point. The Pontryagin maximum principle is applied to the solution of this optimum control problem. The minimization problem of the allowable deceleration is reduced to the minimization of a certain auxiliary function. A general qualitative analysis of optimal control structure is presented. A more detailed analysis of the optimal control structure is carried out for certain particular boundary conditions. Orig. art. has: 3 figures and 20 formulas. (LK)

SUB CODE: 01/ SUBM DATE: 12May65/ ORIG REF: 005/ OTH REF: 001  
ATD PRESS: 5064

Card 2/2 11

SOKOL'SKAYA, A.M., kand. khim. nauk; ZHELNINA, A.A.; DANILOVA, Y.

Hydrogenation of the  $\alpha$ -form of  $\alpha$ -allyl-2,4-dimethyl-4-hydroxypiperidine. Vest. AN Kazakh. SSR 18 no.5:61-66 My '62.  
(MIRA 17:10)

SOKOL'SKAYA, A.M.; ZHELNINA, A.A.; DANILOVA, K.P.

Hydrogenation of the  $\beta$ -form of N-allyl-2,5-dimethyl-4-oxy-piperidine. Vest. AN Kazakh. SSR 20 no.1:59-63 Ja '64.  
(MIRA 17:3)

SOKOL'SKAYA, A.M.; ZHELNINA, A.A.; SOKOL'SKIY, D.V.

Hydrogenation of cinnamyl alcohol. Report No.2. Trudy Inst.  
khim.nauk AN Kazakh.SSR 7:54-56 '61. (MIRA 15:8)  
(Cinnamyl alcohol) (Hydrogenation)

KROKHINA, A.I.; SPIVAK, G.V.; RESHETNIKOV, A.M.; ZHELNINSKAYA, R.I.

Electron-microscopic study of the structure of ceramic materials  
revealed by ionic etching. Izv. AN SSSR, Ser. fiz. 27 no.9:  
1224-1227 S '63. (MIRA 16:9)  
(Electron microscopy) (Ceramic materials--Testing)

ZHEL'NIO, T. M.  
VOLODARS'KA, D.M.; GOROKHOVS'KYY, M.N.; KONDRAT'YEV, S.F.; PRAKHOV, M.M.;  
KOVPARENKO, T.M.; SUKHMKO, Ya.K.; LYASHHVS'KA, V.F.; ZHEL'NIO, T.M.;  
KHIVRICH, O.K.; GEORGIIYEVSKYY, M.I.; MAYMIL'T, E.H.; DINISENKO, L.;  
veduchiy redaktor; PATSALYUK, P., tekhnichniy redaktor

[Hints for everyday living] Pobutovi porady; Vyd. 3-ia, vypr. 1  
dop. Kyiv, Dersh. vyd-vo tekhn. lit-ry URSR, 1957. 184 p.  
(Home economics) (MIRA 10:8)

ACC NR: AP6013261

SOURCE CODE: UR/0413/66/000/008/0050/0050

INVENTOR: Krikorov, V. S.; Blinov, G. A.; Zhelninskiy, V. D.; Kokin, V. K.; Markaryants, E. A.

ORG: none

TITLE: Method of preparing dielectric films. Class 21, No. 180701

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 8, 1966, 50

TOPIC TAGS: dielectric material, silicon dioxide, lanthanum, vaporization, vacuum chamber

ABSTRACT: An Author Certificate has been issued for a powder spray method of preparing dielectric films on a silicon dioxide base in a vacuum chamber. To decrease the temperature of vaporization of silicon dioxide without damaging any properties of the dielectric film, a mixture of silicon dioxide and lanthanum, taken in equipolar quantities, is used. [Translation] [NT]

SUB CODE: 11/3/SUBM DATE: 04May65/

caum  
Card 1/1

UDC: 621.318.4.002.2

ACC NR: AR6029300

SOURCE CODE: UR/0271/66/000/006/B046/B046

AUTHOR: Yesipenko, V. D.; Savis'ko, P. A.; Gul'ko, I. F.; Zhelnitskiy, A. I.

TITLE: Some results of experiments with electroluminescent data display systems

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika, Abs. 6B348

REF SOURCE: Sb. Fiz.-tekhnol. vopr. kibernet. Seminar. Vyp. 1. Kiyev, 1965, 55-75

TOPIC TAGS: electric device; data readout, real time data display

ABSTRACT: The merits of this type of data display are noted. Parametrons are used in the control circuit of the data display unit. On the basis of the experimental results obtained the following conclusions are made: 1) such a display unit can operate successfully at an excitation frequency up to 10 kc, 2) an increase in the frequency makes it possible to reduce the electric field strength in order to obtain the same brightness, 3) with an increase in the frequency the brightness sensitivity to supply voltage also increases, 4) a sharp decrease in brightness in the initial periods of operation requires a preliminary conditioning of the display units, and 5) under conditions of constant brightness the operation of the display units is considered optimum. [Translation of abstract] 10 illustrations and bibliography of 9 titles.

A. F.

SUB CODE: 09

UDC: 681.142.623

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89212

26.2340

S/356/61/040/001/018/037  
B102/B204AUTHOR: Zhelnov, B. L.

TITLE: Emission into vacuum of Cherenkov radiation produced on longitudinal waves in a medium

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 40, no. 1, 1961, 170-177

TEXT: If fast charged particles move in a medium with spatial dispersion, longitudinal waves (plasmons) are produced; the discreet particle energy losses occur in the form of Cherenkov radiation of longitudinal waves. The emission of this radiation into a vacuum is of interest, because it has a very narrow spectrum near the plasma frequency  $\omega_0^2 = 4\pi n e^2 / m$  (n, e, m, - density, charge and mass of electrons in the medium), and may be used both for the production of radio waves in the plasma and for the production of infrared and ultraviolet rays in the dielectric. Whereas the Cherenkov radiation on transverse waves actually occurs at relativistic particle velocities, it occurs in longitudinal waves at much lower velocities (it is only necessary that the particle velocity exceed the mean velocity of

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Emission into vacuum of Cherenkov...

thermal electrons). The problem of studying this Cherenkov radiation, which the author has set himself, must take the following peculiarities into account: First, a transition radiation occurs during passage through the boundary of the medium, which cannot be distinguished from Cherenkov radiation at larger distances, and, secondly, taking account of spatial dispersion necessitates setting up an additional boundary condition because of the appearance of a new solution of the Maxwell equations. As to this additional boundary condition, certain assumptions must be made in order to be able to formulate mathematically the radiation field occurring in the transition of a medium into the vacuum. With respect to the transition radiation, G. M. Garibyan was able to show that its effect is of importance only for ultrarelativistic velocities. To set up the boundary conditions, the following assumptions must be made: the electron moves perpendicularly toward the boundary, its energy losses (due to radiation production) are negligibly small compared to its kinetic energy and the effect of the spatial dispersion is assumed to be characterized by  $\vec{D} = (t + \delta \Delta) \vec{E}$ ,  $t = t_0 + iy$ , where  $\delta$  is the parameter characterizing spatial dispersion,  $\Delta$  - the Laplace operator. The field of the moving electron is considered to be the sum of a longitudinal ( $\psi$ ) and a transverse ( $\vec{A}$ ) field, with  $\text{div } \vec{A} = 0$ .

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Emission into vacuum of Cherenkov...

8/056/61/040/001/018/037  
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The problem is solved in the manner as indicated by V. L. Ginzburg and I. M. Frank, according to Garibyan. For the radial component of the radiation field one attains, in the same manner as is the case with Garibyan,

$$B'_r(R, \theta, t) = \frac{e\eta}{\epsilon_0 \sqrt{2\pi} R \sin \theta} e^{-i\omega t} \int_{-\infty}^{\infty} f(\omega) e^{-i\omega t} d\omega, \quad (7)$$

$$f(\omega) = \int_{-\infty}^{\infty} F(x) e^{i\omega x} dx, \quad (8)$$

введенны обозначения

$$\begin{aligned} F(x) &= x^2 \lambda_0 \eta(x) / \zeta(x), & f(x) &= ix \sin \theta + i\lambda_0 \cos \theta, \\ \eta(x) &= \beta \frac{\omega (e - 1 - \delta k^2)}{\mu \mu_0} (\epsilon \lambda_0 \lambda + \frac{\delta \omega^2}{c^2} \epsilon_1 x^2) + \\ &+ \epsilon_1 \left( \frac{\epsilon \lambda_0 + \delta k^2 \lambda_0}{\mu (e - \delta k^2)} - \frac{\epsilon \lambda_0}{\mu_0} - \frac{\delta k^2 \omega}{c^2} \beta \right), \end{aligned} \quad (9)$$

$$\zeta(x) = \delta \omega^2 c^2 \epsilon_1 x^2 + \epsilon \lambda_0 (\lambda + \epsilon \lambda_0), \quad \mu = k^2 - \omega^2 c^{-2} (e - \delta k^2),$$

$$\mu_0 = k^2 - \omega^2 / c^2, \quad \lambda^2 = \omega^2 c^{-2} \epsilon_1 - x^2, \quad \lambda_0^2 = \omega^2 / c^2 - x^2,$$

$$\lambda_0^2 = e/\delta - x^2, \quad \omega = k_0 v, \quad \beta = v/c,$$

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S/056/61/040/001/018/037  
B102/B204

Emission into vacuum of Cherenkov...

where  $R$  is the distance from the point of electron emission to the point of observation,  $\theta$  the angle between  $R$  and the  $z$ -axis. Besides the pole  $\mu(x) = 0$  studied by Garibyan, the function  $F(x)$  has another pole, determined by  $t - \delta(x^2 + \omega^2/v^2) = 0$ , which is studied here. The normal component is calculated in the same manner. For the total radiation in the vacuum one obtains

$$\begin{aligned}
 E' = & -\frac{e}{\pi R} \cos \theta \sin \theta \int_{-\infty}^{+\infty} \left( \frac{\omega}{c} \right)^2 \frac{\eta(x_0)}{\zeta(x_0)} e^{i\omega(R/t-1)} d\omega - \\
 & - \frac{V^2 e}{\pi R} \sin \theta e^{-i\pi/4} \int_{-\infty}^{+\infty} \left( \frac{\omega}{c} \right)^2 \frac{\eta(x_0)}{\zeta(x_0)} (\pm(x_1 - x_0)) \left( e^{-i\omega} \int e^{i\omega u} du \right) e^{i\omega(R/t-1)} d\omega - \\
 & - \frac{e}{\pi R \sin \theta} \sqrt{\frac{2}{c}} e^{-i\pi/8} \int_{-\infty}^{+\infty} \frac{\omega^2 x_1^2}{\pi c \zeta(x_1)} e^{i\omega(R/t-1)\omega} d\omega. \tag{18}
 \end{aligned}$$

The radiation field of the frequency  $\omega$  propagates at the angle  $\vartheta(\omega)$  in the direction of motion of the electron. For the angle  $\sin \vartheta(\omega) = c\bar{\omega} \sqrt{c_0/\delta - \bar{\omega}^2/v^2}$  holds. For a weakly absorbing medium, the angular distribution of this

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Emission into vacuum of Cherenkov...

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radiation may be determined by the law of reflection and the Cherenkov condition alone. The main contribution to the transition radiation is made by Cherenkov radiation on longitudinal waves produced in the medium near the interface over a distance of the order of a wavelength. At larger distances from the interface, this part of the Cherenkov radiation, which occurs as a spherical wave, remains restricted to a narrow frequency range near  $\omega_0$ . The author thanks V. L. Pokrovskiy, S. K. Savvinykh, A. R. Kazantsev, A. M. Dykhne and I. A. Gilinskii for discussions. A. I. Larkin is mentioned. There are 8 references: 7 Soviet-bloc and 1 non-Soviet-bloc.

ASSOCIATION: Institut radiofiziki i elektroniki Sibirskogo otdeleniya Akademii nauk SSSR (Institute of Radiophysics and Electronics of the Siberian Department of the Academy of Sciences USSR)

SUBMITTED: June 28, 1960

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R002064710006-5

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L 5517-32  
ACCESSION NR: AP5014576

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064710006-5"

ZIELNOV, B.L.; KAZANTSEV, A.P.; SMIRNOV, V.S.

Stimulated radiation on traveling waves. Fiz. tver. tela 7 no.9:2816-  
2820 S '65. (MIRA 18:10)

I. Institut fiziki poluprovodnikov Sibirskogo otdeleniya AN SSSR,  
Novosibirsk.

L 32633-66 FBD/EWT(1)/EFC(k)-2/T/ENP(k) LJP(c) WG  
ACC NR: AP6018808 SOURCE CODE: UR/0056/66/050/005/1291/1295

AUTHOR: Zhelnov, B. L.; Kazantsev, A. P.; Smirnov, V. S. 68

ORG: Institute of Physics of Semiconductors, Siberian Department, Academy of Sciences  
SSSR (Institut fiziki puluprovodnikov Sibirskego otdeleniya Akademii nauk SSSR)

TITLE: Wave interaction in a gas laser 65

SOURCE: Zh ekspres i teor fiz, v. 50, no. 5, 1966, 1291-1295

TOPIC TAGS: gas laser, laser beam, laser propagation, traveling wave interaction,  
frequency locking

ABSTRACT: The authors consider the interaction between waves traveling in opposite directions in a gas laser with a ring resonator, brought about either by the non-linearity of the medium or by the coupling between waves as they are reflected from the mirrors. A phenomenological formula describing the latter coupling is derived and is introduced into the equations of motion for the wave amplitudes and the phases in a rotating coordinate system. The solution of these equations is used to describe frequency locking effects and suppression of one of the traveling waves. It is shown that under standard gas-laser conditions frequency locking takes place within a band of several hundred cps if the coupling coefficient between the reflected waves is of the order of  $10^{-5}$ . The degree of suppression of one of the waves increases monotonically but not uniformly with the relative detuning. The authors thank Yu. V. Troitskiy for a useful discussion. Orig. art. has: 2 figures and 24 formulas. [02]

SUB CODE: 20/ SUBM DATE: 04Nov65/ ORIG REF: 005/ OTH REF: 003/ ATD PRESS:  
Card 1/1 65 5025

ZHELNOV, M. V.

Dissertation defended for the degree of Candidate of Philosophical Sciences  
at the Institute of Philosophy

"Criticism of the Neothomist Falsification of Modern and Natural Science."

Vestnik Akad. Nauk, No. 4, 1963, pp 119-145

L 27965-66 EWA(h)/EWT(1)

ACC NR: AP6005297

(A)

SOURCE CODE: UR/0413/66/000/001/0037/0037

INVENTOR: Korostyshhevskiy, Ye. A.; Zhelnov, P. A.

ORG: none

TITLE: A filter for high-frequency bypass of supply feeders in electric transmission networks. Class 21, No. 177466

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 1, 1966, 37

TOPIC TAGS: electric power transmission, electric filter, filter circuit

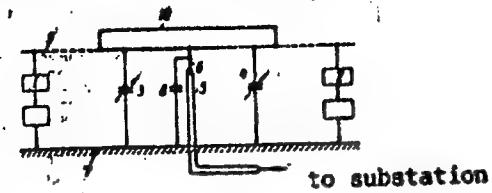
ABSTRACT: This Author's Certificate introduces a filter for high-frequency bypass of supply feeders in electric transmission networks, particularly in the contact networks of electric transportation systems. The unit contains distributed inductances for sections of the network and lumped capacitances tuned to the high-frequency signal. In order to reduce the effect of changes in the load on the supply feeder, suppress interference and simplify the entire installation, the filter is made in the form of a four-terminal electric bridge with arms which are sections of the contact network on both sides of the point where the supply feeder is connected together with the tuned capacitors. The capacitors are connected between the ends of the network section with zero potential. A bypass capacitor is connected in one diagonal of the bridge between the feeder connection point and the zero potential, and a bypass wire

UDC: 621.315.052.66  
621.372.643.3

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L 27985-66

ACC NR: AP6005297



1 and 2--connecting filters; 3 and 4--tuning capacitors; 5--feeder cable; 6--power wire of the feeder cable; 7--zero potential point; 8--bypass capacitor; 9--contact wire; 10--bypass wire.

twice as long as the sections of the network in one of the arms of the bridge is connected in the other diagonal.

SUB CODE: 09/ SUBM DATE: 29Dec64

Card 2/2 (C)

ZHEINOV, P.A., inzh.; KOROSTYSHEVSKIY, Ye.A., inzh.

Analysis and calculation of high-frequency channels using power supply cable networks in mines. Izv. vys. uchob. zav.; gor. zhur. 7 no.11:174-183 '64, (MIR: 18:3)

1. Institut gornogo dela Sibirskogo otdeleniya AN SSSR. Rekomendovana laboratoriya gornoj avtomatiki i telemekhaniki.

ZHELNOV, P.A.

Reducing the problem of computing circuits with multiple terminal output to a form convenient for computation with electric digital computers. Fiz.-tekhn. probl. razrab. pol. iskop. no.1:60-66 '65.  
(MIRA 18:10)

1. Institut gornogo dela Sibirs'kogo otdeleniya AN SSSR, Novosibirsk.

ZHELNOV, V. (UA4FE)

Single side-band phase driver operating on 14 and 21 mc. Radio no.5:  
17-21 My '60. (MIRA 13:12)

Radio, Shortwave--Equipment and supplies)

USCR/Miscellaneous

Card 1/1 Pub. 34 - 13, 36

Authors : Zhelnov, V., DOSAAF champion for 1955

Title : ...

Periodical : Radio 1, 24 - 25, Jan 56

Abstract : A criticism is presented of amateur radio contests and contests of the  
Radio Club of the DOSAAF.

Institution : ....

Submitted : ....

6(4)  
9(2)S/107/60/000/05/018/047  
D047/D006AUTHOR: Zhelnov, V. (UA4FE) (Penza)

TITLE: An SSB Phase Exciter for Operation on 14 and 21 Mc

PERIODICAL: Radio, 1960, Nr 5, pp 17-21 (USSR)

ABSTRACT: The exciter is designed for operation on one side band with a suppressed carrier on 14 and 21 Mc. The single-band signal is formed according to the phase-compensation method described in an article by A. Semenov and V. Verzunov in "Radio", 1958, Nr 6. Fig. 1 is a block diagram of the device. The 1-f amplifier comprises a 6N2P double triode, the quartz generator - a 6Zh3P tube, the balance modulators - 6N1P tubes, the third balance modulator - 6A2P tubes, the terminating stage - a G-807 tube, the master oscillator - a 6Zh1P tube, the buffer stage - a 6Zh5P tube. BLP resistors and KSOG capacitors are also used. RK-50 coaxial cable connects the exciter

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D047/D006

An SSB Phase Exciter for Operation on 14 and 21 Mc

with the terminating stage of the transmitter. An SG1P  
stabilitron is used to stabilize the screen and anode volt-  
age. The use of an additional l-f amplifier and relay to  
perform automatically certain functions when transmission  
begins is described by S. Bunimovich in "Radio", 1959,  
Nr 12. The exciter described has been in use at station  
UA4FE since Dec 1959. A GK-71 pentode is used in the  
power stage of the transmitter and the antenna is a  
Nadenenko dipole. A note from the editors at the end of  
the article mentions some drawbacks of the converter.  
There is 1 photograph, 1 block diagram, 1 circuit diagram,  
2 diagrams, 1 set of diagrams and 1 table.

(V)

Card 2/2

ZHELNOV, V., master radiolyubitel'skogo sporta.

Meetings on the air waves, Radio no.9:20 S '56. (MLRA 9:11).  
(Radio, Shortwave)

ZHELNOV, V.G.; VERSHININ, V.V.; HUBLEV, B.V.; DEGTYAREV, N.P.

Oscillography of millimicrosecond pulses. Izm. tekhn. no. 1:50-  
51 Ja '61. (MIRA 14:1),  
(Oscillograph)

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SOV/115-59-11-16/36

9 (2)

AUTHOR: Zhelnov, V.G.

TITLE: Checking Capacitance Measures by Means of an Electro-  
nic Digital Instrument

PERIODICAL: Izmeritel'naya tekhnika, 1959, Nr 11, pp 40-43

ABSTRACT: Frequently a percentage sorting of a large number of capacitors of different ratings is required with a high degree of accuracy - 0.2% and higher. The existing industrial capacitance measuring instruments, either do not provide such an accuracy, or they require a considerable amount of time for performing the measurements, which is contradictory to the requirements of mass checking. The author describes a device for percentage sorting of 0.013, 0.05, 0.1, 0.2 and 0.4 microfarad capacitors. If necessary, these values can be easily replaced by other ones. The sorting accuracy is  $\pm 0.1\%$ . The device works according to the beat method, which is widely used for measuring non-electrical values in circuits with capacitance trans-

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Checking Capacitance Measures by Means of an Electronic Digital  
Instrument

ducers and in some capacitance measuring instruments, for example, in the IIYeV-1. Two generators are used in the device described by the author. The frequency  $f_0$  of one of them remains unchanged. The frequency of the other generator may deviate from  $f_0$  by some value  $\Delta f$  which is determined by the deviation of the capacitance to be measured  $C_x$  from its rating  $C_0$ . Since the maximum value of the frequency to be measured is large (0.4 microfarads), the frequency  $f_0$  was selected to be low - 2 kc. Generators with a Wien bridge were used. The voltage from the generators is fed to a mixer, at whose output a beat with the frequency  $\Delta f$  is obtained. With a constant carrier frequency  $f_0$ , the value  $\Delta f$  will determine simultaneously the value  $\delta C$ . Since at small  $\delta C$ , a beat frequency of a fraction of a cycle is obtained, needle frequency meters may not be used. Therefore  $\Delta f$  is determined in the author's device by counting the pulses within a fixed time interval  $T_1$ . An e-

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Checking Capacitance Measures by Means of an Electronic Digital  
Instrument

lectric PV-52 seconds counter is used as a pulse counter, having a capacity of  $10^3$  pulses. This counter is connected by a time relay to the frequency difference amplifier for the time  $T_1$ . Since its mechanism works twice during each beat cycle, it will record during each time interval  $T_1$   $n = 2T_1 \Delta f$  pulses, or

$$n = T_1 f_0 \delta C.$$

The time  $T_1$  was taken to be 5 seconds, therefore  $n = 5 \cdot 2000 \delta C = 10000 \delta C = 100 \delta C\%$ . Consequently, when  $\delta C$  is equal to 1%, the device will record 100 pulses, at  $\delta C = 0.1\%$  - accordingly 10 pulses, etc. The needle of accurate reading of the PV-52 will complete in the first case a full rotation, ie. it will show 100 graduation marks, in the second case 10 graduation marks, etc. The PV-52 is very convenient and no changes of its dial are required. The author presents a simplified block diagram of the device. The generator circuits

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Checking Capacitance Measures by Means of an Electronic Digital  
Instrument

are identical and are composed of 6N2P tubes, which form two-stage amplifiers with feedback thru cathode followers (tubes 6N15P), matching the high-ohm amplifier outputs with the low-ohm positive and negative feedback circuits. The use of cathode followers is important for increasing the frequency stability of the generators and an amplification factor 5000 may be obtained for the amplifier. The generator anode circuits are fed from an electronic voltage stabilizer. A barrier is used in the filament circuit. After a one-hour warm-up the frequency of the generators will fluctuate only insignificantly by a fraction of a cycle per hour. For stabilizing the generator amplitudes, TP6/2 thermistors are used. The balanced modulator is composed of 6A2P tubes. The beat voltage passes from the modulator output thru an RC-filter to the input of a symmetrical amplifier with a 6N2P tube. The next stage is a class C power amplifier with 6P14P tubes.

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Checking Capacitance Measures by Means of an Electronic Digital  
Instrument

There are two time relays with identical circuits composed of tubes 6N1P and 6N2P. The tubes work in so-called "Schmidt trigger circuits". The author analysis different error sources in the device. The error analysis and a careful experimental study show that the device may be used for sorting capacitors according to a given rating, provided highly stable capacitors are used in the comparison arm of the Wien bridge. The instability of other elements of the Wien bridge does not play an essential role. The working accuracy of the device is  $\pm 0.1\%$ . Engineer Yu.L. Sokolov participated in the experimental investigation of the device and in its construction and tuning. There is 1 block diagram.

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SOV/115-59-2-26/38

8(2)

AUTHOR:

Zhelnov, V.G.

TITLE:

An Improved Low Frequency Range Filter Circuit (Usover-shenstvovaniye diapazonnogo nizkochastotnogo fil'tra)

PERIODICAL:

Izmeritel'naya tekhnika, 1959,

Nr 2, p 49 (USSR)

ABSTRACT:

The circuit, described by the author is an improved version of that described by him in Izmeritel'naya tekhnika, 1956, Nr 4, and enables the given frequency range to be overlapped by half as many sub-ranges. There are 2 circuit diagrams and 1 Soviet reference.

Card 1/1

ZHELNOV, V.G.

Improving low-frequency band filters. Izm. tekhn. 20 no.2:49  
1959. (MIRA 12:3)  
(Radio filters)

ZHELNOV, V.G.

Band selector filters for electronic measuring instruments. Izm.  
tekh. no. 4141-42 J1-Ag '56. (MIRA 9)  
(Electronic measurements)

LARINA, Mariya Nikolayevna; TRUBNIK, Nikolay Vasil'yevich; ZHELOV,  
Veniamin Petrovich; GOLOVANOV, I.I., retsenzent; PESKOVA, L.N.,  
red.; VERINA, G.P., tekhn. red.

[Production and financial plan and business accounting of a  
power supply section] Proizvodstvenno-finansovyi plan i kho-  
ziaistvennyi raschet uchastka energosnabzheniya. Moskva, Vses.  
izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniya, 1961.  
106 p. (MIRA 15:1)

(Railroad—Electrification—Finance)

Kovshova, Ye, A., Lipatnikova, A. V., and Zhelnova, G. G. "On the sanitary conditions of the barbershops of the city of Ufa", Voprosy dermato-venerologii, Vol. IV, 1948, p. 13-15.

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 18, 1949).

Zhelnova, G. G.

"Morphological changes in the argentophilic basic matter in leprosy,"  
Zhelnova, G. G. "Morphological changes in the argentophilic basic matter in leprosy,"  
Voprosy dermato-venerologii, Vol. IV, 1948, p. 332-35.

SO: U-3736, 21 May 53, (Letopis 'nykh Statey, No. 18, 1949).

15-57-3-3384

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 3,  
p 134 (USSR)

AUTHORS: Zhelnova, L. N., Rybalko, V. G.

TITLE: The Advantages of a Rapid Method for Determining  
Porosity of Ceramic Ware (Preimushchestva uskorennogo  
metoda opredeleniya poristosti keramicheskikh izdeliy)

PERIODICAL: Sb. stud. nauch. rabot. Mosk. in-t nar. kh-va, Moscow,  
Gostorgizdat, 1956, pp 71-75

ABSTRACT: A rapid method of determining the porosity of ceramic  
ware is proposed. After preliminary drying out the  
samples are heated for 30 minutes in a muffle furnace  
at 250°, and then plunged into cold distilled water and  
left for one hour to be impregnated with water. After  
the samples are saturated they are removed from the  
water, dried, and weighed. The precision of the pro-  
posed method approaches that for the standard method,  
but the rapid method takes only 1.5 hours, whereas the  
standard method takes 28 hours. S. P. Sh.

Card 1/1

ZHELNOVA, V.K.

Use of gibberellin for tomatoes grown in greenhouses. Dokl.  
Akad. sel'khoz. nauk no.10:11-14 0 '65.

(MIRA 18:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy i  
agropochvovedeniya.

SARATIKOV, A.S.; USOV, L.A.; ZHELOVICH, L.I.

Role of the reinforcing nerve of the heart in the mechanism of  
the cardiotonic action of camphor. Farm. i toks. 27 no.4:439-444  
(MIRA 17:11)  
J1-Ag '64.

1. Tomskiy meditsinskiy institut.

ZHELNOVICH, L.I., Cand Bio Sci -(diss) "Effect of ~~zineid~~ upon  
the blood circulation <sup>affection</sup> system." Tomsk, Publishing House of Tomsk  
Univ, 1958. 10 pp (Tomsk State Med Inst. Chair of Pharmacology).  
(KL, 20-58, 95)

-40-

ZHELOBAYEVA, Antonina Petrovna

[Practical laboratory experiments in fruit culture] Laboratorno-  
prakticheskie zaniatiia po plodovodstvu. Moskva, Gos.izd-vo  
selkhoz.lit-ry, 1958. 149 p.  
(Fruit culture) (MIRA 13:7)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064710006-5

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064710006-5"

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064710006-5

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064710006-5"

KOLMOGOROV, Andrey Nikolayevich; FOMIN, Sergey Vasil'yevich; ZHELOBENKO,  
D.P., red.; YEHMAKOV, M.S., tekhn.red.

[Elements of the theory of functions and of functional analysis]  
Elementy teorii funktsii i funktsional'nogo analiza. Moskva,  
Izd-vo Mosk.univ. No.2. [Measure, Lebesgue integral, Hilbert  
space] Mera, integral Lebega, gil'bertovo prostranstvo. 1960.  
118 p. (MIRA 13:7)

(Functions) (Functional analysis)

NAIMARK, Mark Aronovich; ZHELOBENKO, D.P., red.; AKHIEZER, S.N., tekhn.red.

[Linear representations of the Lorentz group] Lineinyye  
predstavleniya gruppy Lorentza. Moskva, Gos. izd-vo fiziko-  
matem. lit-ry, 1958. 376 p. (MIRA 12:2)  
(Groups, Theory of)

16(1)

AUTHOR: Zhelobenko, D.P. SOV/20-126-5-5/69

TITLE: Linear Representations of the Lorentz Group

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 5, pp 935-938 (USSR)

ABSTRACT: The author describes all (up to equivalence) representations of the Lorentz group with finite rank (i.e. continuous representations in Banach spaces with finitely many irreducible components). He investigates separately the algebraic structure of the representations in the neighborhood of the singular point. The paper is based on investigations of Naymark. Two theorems are given. There are 4 Soviet references.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova (Moscow State University imeni M.V. Lomonosov)

PRESENTED: January 30, 1959, by N.N. Bogolyubov, Academician

SUBMITTED: January 28, 1959

Card 1/1

ZHELOBENKO, D.P.

Harmonic analysis of functions on semisimple Lie groups. Izv.  
AN SSSR. Ser. mat. 27 no.6:1343-1394 N-D '63. (MIRA 17:1)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

6

16(1)

AUTHOR: Zhelobenko, D.P.

SOV/20-126-3-6/69

TITLE: The Structure of the Group Ring of Lorenz's Group

PERIODICAL: Doklady Akademii nauk SSSR, 1959, vcl 126, Nr 3, pp 482-485 (USSR)

ABSTRACT: In a somewhat changed form (without use of infinite matrices) the author gives the same result (an analogue to the theorem of Paley-Wiener) which he has already published Ref 2. Besides the theorem is proved with other methods due to I.M.Gel'fand Ref 5. The author mentions N.Ya.Vilenkin. There are 5 Soviet references.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova  
(Moscow State University imeni M.V.Lomonosov)

PRESENTED: January 30, 1959, by N.N.Bogolyubov, Academician.

SUBMITTED: January 28, 1959

Card 1/1

AUTHOR: Zhelobenko, D.P. SOV/20-121-4-4/54

TITLE: The Description of a Class of Representations of the Lorenz Group (Opisaniye nekotorogo klassa predstavleniy gruppy Lorentsa)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 121, Nr 4, pp 586-589 (USSR)

ABSTRACT: Since the Lorenz group is not compact and possesses representations which cannot be decomposed into irreducible ones, the question for the description of all linear representations (up to equivalence) of this group arises. In the present paper the author gives a partial solution of this problem and describes a rather extensive class of representations. The main result consists in the statement that each representation of this class is decomposed into a discreet direct sum of representations, each of which is equivalent to one of the representations of a certain canonical model. The paper was written under the guidance of Naymark and uses the notations of Naymark without explanations, a fact which complicates the reading.

There are 2 Soviet references.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova  
Card 1/2 (Moscow State University imeni M.V. Lomonosov)

The Description of a Class of Representations of the Lorenz Group SOV/20-121-4-4/54

PRESENTED: April 1, 1958, by N.N. Bogolyubov, Academician

SUBMITTED: January 24, 1958

Card 2/2

ZHELOBENKO, D.P.

Solution to a problem of polynomial invariants. Usp. mat. nauk 18  
no.6:193-196 '63.

Elementary proof of Gel'fand-Naimark's formula. 197-200

(MIR 17:3)

ZHELO BENKO, D.P.

Theory of linear representations of complex and real Lie groups.  
Trudy Mosk. mat. ob-va 12:53-98 '63. (MIRA 16:11)

ZHELOBENKO, D.P.

Classical groups. Spectral analysis of finite-dimensional representations. Usp.mat.nauk 17 no.1:27-120 '62. (MIRA 15:3)  
(Groups, Theory of) (Transformations (Mathematics))

ZHELOBENKO, D. P., Cand. Phys-Math. Sci. (disc) "Harmonic Analysis of Functions for Lorentz Group and Some Questions of Theory of Linear Representations." Moscow, 1961, 6 pp (Moscow State Univ.) 200 copies (KL Supp 12-61, 251).

ZHELOBENKO, D.P.

Infinitely differentiable vectors in the theory of representations.  
Vest. Mosk. un. Ser. 1: Mat., mekh. 20 no.1:3-10 Ja-F '65. (MIRA 18:4)

1. Kafedra matematicheskogo analiza Moskovskogo universiteta.

VISHNEVSKAYA, G.O.; GORBUNOVA, A.S.; ZHELOBENKO, V.A.; FIALKOV, Yu.A.;  
SHEVCHENKO, O.I.; YAGUPOL'SKIY, L.M.

Synthesis of the preparation bilignost. Med. prom. 14 no.9:25-30  
S '60. (MIRA 13:9)

1. Kiyevskiy khimiko-farmatsevticheskiy zavod im. M.V. Lomonosova.  
(ADIPIC ACID)

ZHELOBENKO, V.A.

Improved method for producing 1-n-nitrophenyl-aminoethanol. Med. prom.  
15 no.8:34-38 Ag '61. (MIRA 14:12)

1. Kiyevskiy khimiko-farmatsevticheskiy zavod imeni Lomonosova.  
(ETHYL ALCOHOL)

ZHELOBENKO, V.A.

Over-all mechanization of production at the M.V. Lomonosov plant.  
Med.prom. 31 no.12:3-4 D 159. (MIRA 13:4)  
(DRUG INDUSTRY)

KREMNEV, O.A., BOBROVSKIY, B.R., DOLINSKIY, A.A., ZHELOBENKO, V.A.

Spray method for drying streptomycin. Med.prom. 12 no.10:27-33  
0 '58 (MIRA 11:11)

1. Institut teploenergetiki AN USSR i Kiyevskiy zavod meditsinskikh  
preparatov.  
(STREPTOMYCIN--DRYING)

ZHELOBETSKAYA, M.F., starshiy nauchnyy sotrudnik

Use of sulfite cellulose extracts for linen warp sizing. Tekst.  
prom. 22 no.8:48-49 Ag '62. (MIRA 15:8)

1. Laboratoriya 1'na (pri 1'nokombinate "Zarya sotsializma")  
Proyektno-tehnologicheskogo nauchno-issledovatel'skogo instituta  
(PTNII) Yaroslavskogo soveta narodnogo khozyaystva.  
(Sizing (Textile))

ZHELOBKO, A.B.; GAVRICHKOV, F.S.

Training of specialists in the coal industry. Ugol' 39 no.6:  
55 'Ye16' (MIRA 17'7)

1. Lamentil'nyi upravlyayushchego trestom Kadiyevugol' po  
kadram (for Zhelobko). 2. Nachal'nik uchebno-kursovogo kom-  
binata tresta Kadiyevugol' ( for Gavrichkov).

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9/13/60/000/010/034/040  
A006/A001

Translation from: Referativnyy zhurnal, Metallurgiya, 1960, No. 10, pp. 270-271,  
# 24624

AUTHOR: Zhelobov, I.S.

TITLE: Mechanical Properties of Ak-6 (Ak-6) Grade Duraluminum Alloy  
Specimens Upset Under a Pneumatic Hammer and a Friction Press

PERIODICAL: Tr. Gor'kovsk. politekhn. in-ta, 1959, Vol. 15, No. 2, pp. 39-47

TEXT: The effect of the method of upsetting Ak-6 specimens, on the mechanical properties of the alloy was studied. Cylindrical specimens of 25 mm in diameter and 40 mm height were upset under a pneumatic hammer and under a friction press to an equal degree of deformation (up to 12.5 height). Prior to upsetting the specimens were heated to 475°C. Upsetting was made by one pass of the press and 2 hammer blows. Measurement of  $R_b$  of the upset specimens showed that for the hammer deformed specimens the mean  $R_b$  was by 7 - 8 units higher than that of press-deformed pieces. The factor, causing this difference in hardness, appears to be the deformation rate. In the initial state the material had a homogeneous struc-

Card 1/2

87663

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A006/A001

Mechanical Properties of Ak-6 (Ak-6) Grade Duraluminum Alloy Specimens Upset Under a Pneumatic Hammer and a Friction Press

ture with an equal grain size over the whole section; specimens that were upset under a press had a homogeneous spheroidal structure with larger grains than hammer deformed specimens, whose grains showed an elongated shape. Intermetallic inclusions in pressed specimens are arranged more uniformly. During deformation under the press, recrystallization can be fully accomplished, which was not observed during deformation under the hammer. Therefore press forming of Al alloys should be preferably performed under a friction press rather than under a pneumatic hammer.

P.V.

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

MAIAKHOV, A.A.; ZHELOBOV, P.P.

Methods for the plotting of metallogenetic maps on the basis  
of the tectonic scheme of the Urals. Trudy Sver. geol. inst.  
no.43:42-50 '63. (MIRA 13:7)

ZHELOBOV, P.P.; LAVROV, N.A.

Sysert'-Chebarkul' mobile belt in the Urals. Trudy Sver. gor.  
Inst. no.43:177-181 '63. (MFA 18:7)

MALAKHOV, A.A.; ZHELOBOV, P.P.

Subsurface geology of the Central Urals. Dokl. AN SSSR 146  
no.1:179-182 S '62. (MIRA 15:9)

1. Predstavleno akademikom D.I. Shcherbakcym.  
(Ural Mountains—Geology, Structural)

AL'BOV, M.N.; ZHELOBOV, P.P.

Method of prospecting for hidden pyrite deposits in the Urals.  
Razved. i okh. nedr 26 no.2:43-44 Feb. '60. (MIRA-14,6)

1. Sverdlovskiy gornyy institut im. Vakhrusheva.  
(Ural Mountains--Pyrites)

NUQMANOV, A.Kh., ZHELOBOVA, G.A.

Geochemical conditions governing the formation of Mesozoic and  
Cenozoic sediments in eastern Fergana. Uzb.geol.shur. 8  
no.3:12-18 '64. (MIRA 18:12)

I. Institut geologii i razrabotki neftyanykh i gazonovkh  
mestorozhdeniy Gosudarstvennogo geologicheskogo komiteta  
SSSR. Submitted October 28, 1963.

USSR/Medicine - Neurophysiology

FD-2807

Card 1/1 17, 9/19

Author : Krol', N. G. and Zhelobova, Z. A.

Title : Physiological symptoms of the functional condition of the motor apparatus in hyperkinesis. Part 2: Muscle tone in athetosis

Periodical : Byul. eksp. biol. i med. 6, 36-39, June 1955

Abstract : During lengthy myotonometric investigations of the rigidity of muscles of patients with signs of athetosis, authors observed considerable variations. In studying antagonist muscles of the upper and lower extremities they found that the muscle tone was within normal limits in 29% of the cases during maximal prostration, in 18% it was below normal and in 53% above normal. Sharp variations in muscle tone during athetosis are characteristic. Authors' investigations led them to conclude that in patients of athetosis in maximal weakened conditions of the muscles there is a disturbance of the relationship between the indices of tone of the muscle-antagonists as well as of the muscles of distal and proximal groups. No references; graphs, table.

Institution : Laboratory of Clinical Physiology, Sverdlovsk Scientific Research Institute of Restorative Surgery, Traumatology, and Orthopedics, (Dir: Corresponding Member Academy Medical Sciences USSR Prof. F. R. Bogdanov)

Submitted : 10 June 1954

FD-1743

Card 1/1 Pub. 17-7/23

Author : Krol', N. G. and Zhelobova, Z. A.

Title : Physiological indicators of the functional condition of the motor apparatus during hyperkineses. (Characteristics of subordinate changes of motor chronaxy in athetosis.)

Periodical : Byul. Eksp. biol. i med.'7, 24-27, Jul 1955

Abstract : Authors believe that changes in the regulating activity of the central nervous system undoubtedly affect irritation and lability of the neuro-muscular system and consequently change its chronaxy (called subordination). They compiled tables from chronaximetric data from patients with athetoses of arm and leg muscles and of the coordination between chronaxy of distal and proximal muscles of the extremities and muscle-antagonists. They conclude that in athetosis the regulating role of the cortical zone of the motor analyzor is interrupted, that the complex picture is subject to a mechanism which is not simple to explain; that it is affected by functional changes in the cortical zone of the motor analyzor as well as by the activity of the subcortical region. 5 references, 5 USSR, 5 since 1940, tables.

Institution : Laboratory of Clinical Physiology, Sverdlovsk Scientific-Research Institute of Restorative Surgery, Traumatology, and Orthopedics. (Dir: Corresponding Member Academy of Medical Sciences USSR, Prof F. R. Bogdanov)

Submitted : 10 June 1954

KROL', N.G.; ZHELOBOVA, Z.A.

Analysis of changes in motor chronaxia in athetosis. Zhur.nevr. i  
psikh. Supplement:23 '57. (MIRA 11:1)

1. Laboratoriya klinicheskoy fiziologii Sverdlovskogo nauchno-  
issledovatel'skogo instituta vosstanovitel'noy khirurgii, travmato-  
logii i ortopedii (dir. F.R.Bogdanov)  
(CHRONAXIA) (ATHETOSIS)

MIKHALEV, V.A.; DOROKHOVA, M.I.; SMOLINA, N.Ye.; ZHELOKHOVTSIEVA, A.M.;  
TIKHONOVA, O.Ya.; SKOLDINOV, A.P.; ARENDARUK, A.P.; SMOLIN, D.D.;  
GOLOVKINA, T.V.; SLONOVA, L.A.

Styrene as an initial product for synthomycetin and levomycetin  
production. Part 2: Synthesis of p-nitroacetophenone and  
p-nitro- $\alpha$ -bromacetophenone. Antibiotiki 4 no.4:21-24 J1-Ag  
'59. (MIRA 12:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut imeni S. Ordzhonikidze (for Mikhalev, Dorokhova, Smolina,  
Zhelokhovtsieva, Tikhonova). 2. Institut farmakologii i khimio-  
terapii AMN SSSR (for Skoldinov, Arendaruk, Smolin, Golovkina,  
Slonova).

(CHLORAMPHENICOL chem)  
(KETONES chem)

ZHELOBOVA, Z.A.

Change in the subordinate influences on the motor chronaxia of the muscles in spastic hemiparesis and athetosis. Zhur.nerv.i psikh. 62 no.6:815-819 '62. (MIRA 15:11)

1. Laboratoriya klinicheskoy fiziologii (rukoveditel' - dotsent N.G.Krol') Sverdlovskogo nauchno-issledovatel'skogo instituta travmatologii i ortopedii (dir. - kand.med.nauk Z.P.Lubegina). (CHRONAXIA) (PARALYSIS) (ATHETOSIS) (MUSCLES)

MIKHALEV, V.A.; DOROKHOVA, M.I.; SMOLINA, N.Ye.; ZHELOKHOVTSeva, A.N.; IVANOV, A.I.; ARENDARUK, A.P.; GALCHENKO, M.I.; SKORODUMOV, V.I.; SMOLIN, D.D.

Styrene as raw material for the production of synthomycin and levomycetin. Part 1: Synthesis of p-nitro- $\alpha$ -acylaminoacetophenones. Antibiotiki, 4 no.2:21-24 Mr-Ap '59. (MIRA 12:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S. Ordzhonikidze (for Mikhalev, Dorokhova, Smolina, Zhelokhovtseva). 2. Institut farmakologii i khimioterapii AMN SSSR (for Skoldinov, Ivanov, Arendaruk, Galchenko, Skorodumov, Smolin). (CHLORAMPHENICOL, prep. of.

synthesis from styrene through p-nitro- $\alpha$ -acylaminoacetophenones (Rus))

(VINYL COMPOUNDS

styrene, use in chloramphenicol synthesis through p-nitro- $\alpha$ -acylaminoacetophenones (Rus))

(KETONES

p-nitro- $\alpha$ -acylaminoacetophenones, intermediate in chloramphenicol synthesis from styrene (Rus))

ZHELOKHOVSEV, A. N.

Sawflies

Survey of the palaearctic sawflies of the subfamily Selandriinae (Hym. Tenth.) Sbor.  
trud. Zool. muz. 7, 1951

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified.

ZHELOKHVTSEV, A.N.

New and little-known sawflies (Hymenoptera, Symphita) of the Tien Shan. Sbor. trud. Zool. muz. MGU 8:117-138 '61. (MIRA 15:5)  
(Tien Shan-Sawflies)

Sawflies

Survey of sawflies of the subfamily Cladinae (Hymenoptera, Tenthredinidae) in the fauna of the U.S.S.R. Zool. zhur. 31 no. 2, 1952

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified.

ZHELOKHOVTSIV, A.N.

A new genus and species of sawflies (Hymenoptera, Tenthredinidae) in-  
habiting the sandy deserts of Central Asia. Ent. oboz. 43 no. 3:706-709  
'64. (MIRA 17:10)

1. Zoologicheskij muzey Moskovskogo gosudarstvennogo universiteta,  
Moskva.

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064710006-5

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002064710006-5"

PORNOV, M.A.; ZHELOKHOVTEVA, A.M.; MIKHALEV, V.A.

Physicochemical and automatic methods of technological control in the production of medicinal preparations. Report No.2: Automatic control of pH during the process of production of p- -acetylamino- -hydroxypropiophenone. Med.prom. 16 no.5:43-49 My '62.

(MIRA 15:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S.Ordzhonikidze.

(PROPIOPHENONE) (HYDROGEN ION CONCENTRATION) (DRUG INDUSTRY)

SMIRNOVA, L.G.; CHUIKOVA, Z.S.; GUMINA, I.I.; ZHELOKHOVTSIEVA, I.N.

The amino acid level in urine during normal pregnancy and in late toxicooses. [with summary in English] Vop. med. khim.

3 no.1:49-53 Ja-F '57 (MLRA 10:4)

1. Nauchno-issledovatel'skiy institut akusherstva i ginekologii

Ministerstva zdravookhraneniya SSSR, Moskva.

(PREGNANCY, urine in  
aminoacid level in normal pregn. & in late  
toxicoosis)

(AMINO ACIDS, in urine

in normal pregn. & in late toxicoosis)

(PREGNANCY TOXOCOSIS, urine in  
amino acid level)

BULYGINA, Ya.A., starshiy nauchnyy sotrudnik; GRANAT, N.Ye., kandidat meditsinskikh nauk; ZHELOKHOVTEVA, I.N., kandidat meditsinskikh nauk

The role of a rural district hospital in the organization of obstetric services. Sov.zdrav. 16 no.8:29-34 Ag '57. (MLR4 10:10)

1. Iz Nauchno-issledovatel'skogo instituta akusherstva i ginekologii (dir. L.G.Stepanov) Ministerstva zdravookhraneniya RSFSR.

(OBSTETRICS

obstetric serv. at general district hosp. in Russia)

(HOSPITALS,

some)

MAKEYEVA, O.V., prof.; ZHELOKHOVTSeva, I.N.; SELEZNEVA, Ye.D.

Improvement of prophylactic work at women's health centers. Sov.  
med. 24 no. 7:134-137 Jl '60. (MIRA 13:8)

1. Iz Instituta akusherstva i ginekologii (dir. - doktor meditsinskikh  
nauk O.V. Makeyeva) Ministerstva zdravookhraneniya RSFSR.  
(GYNECOLOGY)

GARIN, N.D., ZHELOHOVTSVA, N.N., LEBEDEV, N.N., SIGBATULIN, A.Kh.

A quest for new surgical suture materials [with summary in English]  
Khirurgija 34 no.7:142-147 Jl '58 (MIRA 11:9)

1. Iz Nauchno-issledovatel'skogo instituta eksperimental'noy  
khirurgicheskoy apparatury i instrumentov Ministerstva zdravookhraneniya  
SSSR (dir. M.G. Anan'yev).  
(SUTURES,

research on new surg. suture materials (Rus))

ZHELOKHOV TBEVA N N

CA

Kinetics of adsorption of high-molecular substances from solution by porous powders. B. V. IL'IN AND N. N. ZHELOKHOV. *J. Russ. Chem. (U. S. S. R.)* 2, 430-44 (1962). The kinetics of adsorption of Me violet from aq. solns. of 0.1, 0.08, 0.06 and 0.04% concn., on powd. blood charcoal, was studied. Charcoal powder heated in boiling water for 2 hrs. and left standing with the water for 2-4 weeks adsorbed more Me violet when the soln. of the latter was introduced into its suspension, than when the dry powder was introduced into the soln. In the formula  $A = A_0(1 - e^{-kt})$ , where  $A_0$  and  $A$  are the initial concn. of Me violet and the concn. at time  $t$ , the mean values of the constants are 0.0188, 0.0006 and 0.144 for concns. 0.1, 0.08 and 0.04, resp., in dry powder adsorption, and 0.0233, 0.0032, 0.0021 and 0.1101 for concns. 0.1, 0.08, 0.06 and 0.04 in wet-powder adsorption.

S. I. MADORSKAY

ZHELOKHVTSEVA, N. N.

PA 36/49T5

USSR/Agronomy

Soil Science

Chemistry - Humic Acids, Structure of

Jul 48

"Comparative Study of Humic Acids From Soil and  
Peat," S. S. Dragunov, N. N. Zhelokhortseva,  
No. 1. Strelkova, 12 pp

"Pochvovedeniye" No. 7

Observed noticeable differences in humic acid  
obtained from peat, black earth, and podsol soil.  
Noticed difference in number and character of  
functional groups and in structure of their nu-  
cial. Data obtained from experiments permitted

36/49T5

USSR/Agronomy (Contd)

Jul 48

determination of structural formula for humic  
acids derived from black earths and peat. Authors  
consider formulas practical representation of  
theoretical hypotheses.

36/49T5

GARIN, N.D.; GOL'DINA, B.G.; ZHELOKHOVTSYVA, N.N.; SIBGATULLIN, A.Kh.

Use of capron mesh for correcting soft tissue defects. Eksper.  
khir. 5 no.4:9-13 Je-Ag '60. (MIRA 13:12)  
(NYLON) (ABDOMEN-SURGERY)  
(DIAPHRAGM-SURGERY)

ZHELOKHov TSEVRIKHOV

13c

B-5

Chemical nature of human mucus. N. S. Dragunov, N. N. Zhdanov, and N. I. Sretenskaya. *Zh. Fiz. Khim.*, 1950, 24, 151-157; *Sov. J. Phys.*, 1950, 16, 264. Hydrolysis of human mucus (5% HCl, 2-3 hr.) caused disintegration of 50% of proteoglycans, 50% of glycosaminoglycans, and 40% of protein hyaluronic acid. 10% of all the human mucus occurred as carbohydrate in the hyaluronic acid form. In mucus also appeared 40-45% of the total  $\beta$ -D-glucuronic acid and 10% of  $\beta$ -D-galactose. The content of functional groups:  $(CO_2H)$  and  $(CH_2OH)$ , was determined by methylation, increased on hydrolysis of protein-bound salts but not on that of protein-bound acids.

#### 480-314 METALLURGICAL LITERATURE CLASSIFICATION

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CIA-RDP86-00513R002064710006-5"

ZHELOKHOVSEVA, N. N.

Dissertation: "Plethysmography as An Objective Method of Recording Labor Pains of Women." Cand Med Sci, First Moscow Order of Lenin Inst, 27 Sep 54. (Vechernaya Moskva, Moscow, 5 Aug 54)

SO: SUM 393, 28 Feb 1955